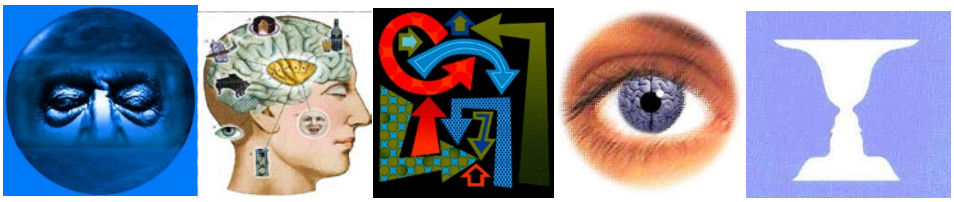
2014 Fall Course Offerings
Cognitive Science
Director: Professor Pat O'Seaghdha



COGS/PSYC 117-10 Cognitive Psychology (SS) 4 credits **CRN 45655**
The architecture and dynamics of the human mind: How we acquire knowledge through perception, represent and activate it in memory, and use it to communicate, make decisions, solve problems, and reason creatively. May not be taken pass/fail. Prerequisite: PSYC 1 or COGS 7. Note: optional (1) credit recitation, PSYC 183, may accompany this course; Psych 183 is recommended but not required for COGS majors. *Professor Marsh*
T, R / 2:35 - 3:50 p.m.

COGS 161-10 Supervised Research (ND) 2-4 credits **CRN 40813**
Research under the direct supervision of a faculty member in the cognitive science program. Students must arrange the particular project with a faculty member before enrolling. Prerequisite: consent of the program director. *Professor O'Seaghdha*

COGS/PHIL 250-10 Philosophy of Mind (HU) 4 credits **CRN 49562**
An exploration of the mind-body problem. Are the body and mind distinct substances (dualism); or is there only body (materialism); or only mind (idealism)? Other views to be considered include behaviorism (the view that behavior can be explained without recourse to mental states), and the view that the mind is a complex computer. Prerequisite: One HU course in Philosophy. *Staff*
M, W, F / 11:10 – 12:00 p.m.

COGS 301-10 Senior Project in Cognitive Science: Proposal (ND) 3 credits **CRN 47470**
Senior year integration of the material from cognitive science begins with the proposal of a substantial review or research project spanning at least two cognitive science disciplines under the direction of a Cognitive Science faculty member. Prerequisite: consent of program director. *Professor O'Seaghdha*

COGS 361-10 Independent Research (ND) 2-4 credits **CRN 40812**
Independent research in cognitive science with a faculty advisor. Students must arrange the particular project with a faculty advisor before enrolling. Prerequisite: consent of the program director. *Professor O'Seaghdha*

COGS 399-10 Senior Project in Cognitive Science: Thesis (ND) 3 credits **CRN 48157**
Research during senior year culminating in senior thesis advised by a member of the Cognitive Science faculty. Execution and written report of project proposed and approved in COGS 301. Theses submitted for honors will be evaluated by a committee of at least three cognitive science faculty. Prerequisite: COGS 301 and consent of the program director. *Professor O'Seaghdha*

COGS 405-10 Individual Study in Cognitive Science (ND) 1-6 credits **CRN 47471**
Study of a topic not covered in regular course offerings. By arrangement with a consulting faculty member. May be repeated for credit. Prerequisite: Consent of the program director. *Professor O'Seaghdha*

Undergraduate Collateral Requirements

CSE 001 **Breadth of Computing**..... T,R / 7:55 - 9:10 a.m., Prof Korth
(CRN 48342)
CSE 002-110 **Fundamentals of Programming**..... M,W,F / 11:10 - 12:00 p.m., F 9:10 - 10:00 a.m., Prof Chen
(CRN 48343)
CSE 002-111 **Fundamentals of Programming**..... M,W,F / 11:10 - 12:00 p.m, F 10:10 - 11:00 a.m., Prof Chen
(CRN 48344)
MATH 021 **Calculus I**.....Offered various days and times
(CRN varies by section)
MATH 051 **Survey of Calculus I**..... Offered various days and times
(CRN varies by section)

Undergraduate Electives

Artificial Intelligence and Formal Models:
CSE 017 **Structured Programming & Data Structures** (prereq: CSE 1 & CSE 2).....M,W,F / 11:10 - 12:00 p.m., Prof Heflin
(CRN 41495)
CSE/MATH 261 **Discrete Structures** (prereq: MATH 21) ..... M,W,F / 3:10 - 4:00 p.m., Prof Skandera
(CRN 41610/40384)
CSE 262 **Programming Languages** (prereq: CSE 17 or CSE 18)..... T,R / 9:20 - 10:35 a.m., Prof Gang
(CRN 41621)

Artificial Intelligence and Formal Models: (continued)

CSE 318 **Intro to Theory of Computation**..... M,W,F / 1:10 - 2:00 p.m., Prof Munoz-Avila
(CRN 43186)

CSE 337 **Reinforcement Learning**..... M,W,F / 10:10 - 11:00 a.m., Prof Munoz-Avila
(CRN 49447)

CSE 360 **Introduction to Mobile Robotics**..... T, R / 7:55 - 9:10 a.m., Prof Spletzer
(CRN 49464)

PHIL/MATH 303 **Mathematical Logic**..... M,W,F / 10:10 - 11:00 a.m., Prof Stanley
(CRN 49522/49520) Department permission required

Language, Culture & Meaning:

PHIL 297 **Piaget and Mind**.....M / 1:10 – 4:00 p.m., Prof Bickhard
(CRN 49291)

PSYC/HMS 344 **Health Care Reasoning and Decision-Making**..... T,R / 10:45 - 12:00 p.m., Prof Marsh
(CRN 49174/49193)

PSYC 351 **Children's Thinking**..... T,R / 2:35 - 3:50 p.m., Prof Brandone
(CRN 49179)

Cognition and Neuroscience:

ANTH 145 **Human Evolution** ..... M,W,F / 10:10 - 11:00 a.m., Prof Gatewood
(CRN 49371)

BIOS 121 **Comparative/Integrative Bio for Bios Minors** ..... M,W,F / 11:10 - 12:00 p.m., Prof Itzkowitz
(CRN 49136)

BIOS 276 **Central Nervous System and Behavior** (prereq: BIOS 121) ..... T,R / 7:55 - 9:10 a.m., Prof Burger
(CRN 46638)

BIOS 366 **Diseases of the Nervous System** ..... W / 1:10 - 4:00 p.m., Prof Simon
(CRN 47808)

BIOS 382 **Endocrinology of Behavior**..... T,R / 1:10 - 2:25 p.m., Prof Schneider
(CRN 40043)

PSYCH 396 **Cognitive Neuroscience of Memory**..... M, W / 2:35 – 3:50 p.m., Prof Hupbach
(CRN 48740)

Graduate Minor and Graduate Certificate Electives

Computer Science:

CSE 428 **Semantic Web Topics** ..... T, R / 10:45 - 12:00 p.m., Prof Heflin
(CRN 49470)

CSE 447 **Data Mining** .....T, R / 1:10 - 2:25 p.m., Prof Lopresti
(CRN 49455) Instructor Permission required

CSE 460 **Mobile Robotics** .....T,R / 7:55 - 9:10 a.m., Prof Spletzer
(CRN 49467)

Psychology:

PSYC 402 **Developmental Psychology**..... R / 4:10 to 7:00 p.m., Prof Barrett
(CRN 49182)

Major, Minor and Graduate Certificate Declaration forms are available in the Office of Interdisciplinary Programs, Maginnes 490